

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 25621	<b>FOR FURTHER ACTION</b>	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/IL03/00291	International filing date ( <i>day/month/year</i> ) 07 April 2003 (07.04.2003)	(Earliest) Priority Date ( <i>day/month/year</i> ) 15 April 2002 (15.04.2002)
Applicant WEISSMAN, YITZHAK		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the Report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐

contained in the international application in written form.

☐

filed together with the international application in computer readable form.

☐

furnished subsequently to this Authority in written form.

☐

furnished subsequently to this Authority in computer readable form.

☐

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title,

☒

the text is approved as submitted by the applicant.

☐

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐

the text is approved as submitted by the applicant.

☒

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. 6

☐

as suggested by the applicant.

☒

because the applicant failed to suggest a figure.

☐

because this figure better characterizes the invention.

☐

None of the figures

# INTERNATIONAL SEARCH REPORT

International application No.

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## Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The abstract is too long (PCT Rule 8.1(b)). The abstract must be less than 150 words, or 200 words when no figure is to be published.

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

### NEW ABSTRACT

Stereoscopic display apparatus, includes two projectors (Projector 1, 2) having inputs connectable to a source of digital data (Eye 1, Eye 2 Image Source) representing the color components of two stereoscopic images, and outputs outputting two optical beams each having a set of color components (R, B, G) of different polarization states ( $\alpha, \beta$ ); a polarization preserving screen; an optical filter system (Polarization Transformer) using exclusively optical retarders for transforming the polarizations of the optical beams outputted by the two projectors into two color sets, in which all the color components of one set are polarized in one polarization state ( $\gamma$ ), and all the color components of the other set are polarized in an orthogonal polarization state ( $\delta$ ); and means for stacking the two color sets onto the polarization preserving screen, such as to enable stereoscopic viewing of the two color sets via orthogonally polarized filters ( $\gamma, \delta$  Polarization Filter).

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/00291

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G02B 27/26  
US CL : 359/465

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 359/465,464; 348/58; 353/8

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
INSPEC (INZZ) search terms: stereoscopic, polarization

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/0028416 A1 (DIVELBISS et al) 11 October 2001 (11.10.2001), page 3 paragraph 0035 - page 4 paragraph 0039.	1-7,14,15,18
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Y		8-13,16,17,19-24
Y	US 6,310,673 B1 (SHARP) 30 October 2001 (30.10.2001), column 22 line 8 - column 26 line 44.	8-13,16,20-24
Y	US 5,187,754 A (CURRIN et al) 16 February 1993 (16.02.1993), column 14 lines 5 - 15.	17
Y	US 5,121,983 A (LEE) 16 June 1992 (16.06.1992), column 5 lines 16 - 41.	19-24

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

15 August 2003 (15.08.2003)

Date of mailing of the international search report

17 NOV 2003

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
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*Shawn S. Hopper*

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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230		Authorized officer <i>Shawn S. Apple</i> Drew A Dunn Telephone No. (703) 308-1782																				